EASY DUMP
RD3100 / RD3106
(Standard)-(60/40 Split)-(60/40 Divider)-(70/30 Split with Bayne)
USER'S MANUAL

*** Important ***
Read User's Manual Completely Prior to Operating

Par-Kan Company
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Easy Dump
RD3100 / RD3106
(Standard)-(60/40 Split)-(60/40 Divider)-(70/30 Split with Bayne)

CUSTOMER: _____

SERIAL # _____

PK # _____

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Note: This manual supersedes any other information supplied by Par-Kan Company before this date, and is good only for serial numbers listed in the manual.

Easy Dump-Par-Kan Company
One Year Warranty

Par-Kan Company's Easy Dump Equipment is warranted to the original purchaser to be free from defects in material and workmanship for a period of one year from the date of purchase as dated on Easy Dump original invoice.

Par-Kan will replace during the warranty period, subject to an examination by an authorized representative of Par-Kan, any warranted part which proves defective in material and/or workmanship under normal installation, use, and service. Parts must be returned, and transportation charges prepaid to our factory. Any changes to the Easy Dump equipment as a result of modifications, misuse, abuse, neglect, accident, vandalism, fire, flood, other acts of God, or improper installation will void this warranty.

If Par-Kan receives notice of such defects during the warranty period, Par-Kan will either, at its option, repair or replace products which prove to be defective. Other manufacturer's warranties may apply for parts purchased by Par-Kan. Par-Kan makes no other warranty, either expressed or implied, with respect to this product. Any special, incidental, or consequential damages arising from any breach of warranty are specifically excluded hereunder.

Easy Dump General Specifications and Features

RD3100:
Empty Weight: (Approx.) 1150 lbs.

Capacity:	3 cubic yards
Frame:	Steel Tubing– 6” X 3”
Body:	Sheet Steel – 12 gage

Hydraulic Pump: Monarch M-3551 Double Acting – 1.5 GPM @ 2,000 PSI

Cylinders: Bore 2.5” x 10” Stroke – Maximum working Pressure 2,500 PSI

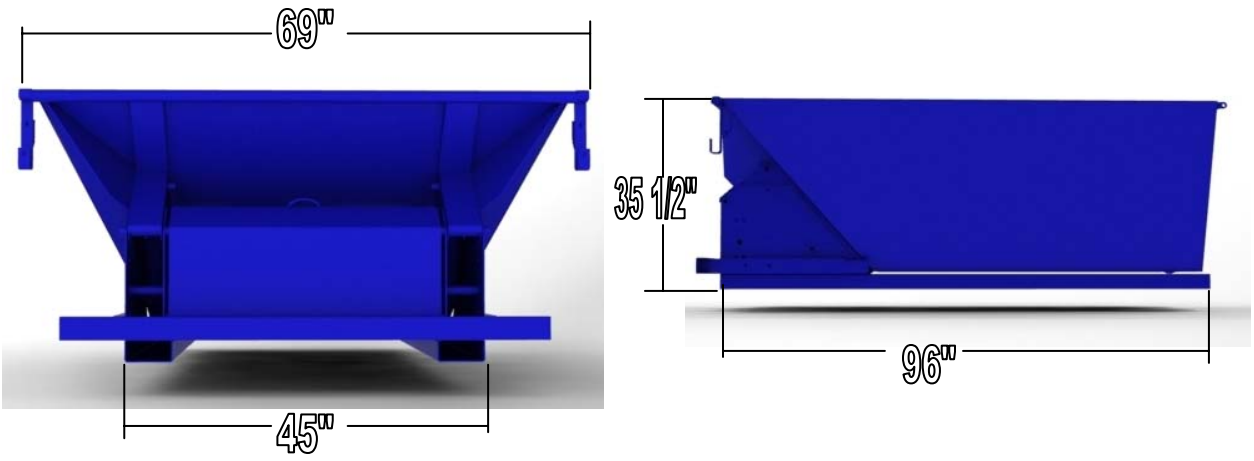
RD3100 60/40 Split:
Empty Weight: (Approx.) 1400 lbs.

Capacity:	2.5 cubic yards
RD3100-40	1 cubic yard or 800 lbs.
RD3100-60	1.5 cubic yards or 1200 lbs.
Frame:	Steel Tubing– 6” X 3”
Body:	Sheet Steel – 12 gage

Hydraulic Pump: Monarch M-3551 Double Acting – 1.5 GPM @ 2,000 PSI

Cylinders: Bore 2.5” x 10” Stroke – Maximum working Pressure 2,500 PSI

Dimensions:



Easy Dump General Specifications and Features

RD3106:

Empty Weight: (Approx.) 1350 lbs.

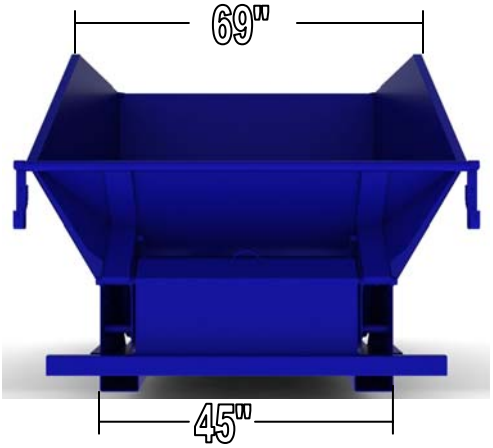
Capacity:	6 cubic yards
Frame:	Steel Tubing– 6” X 3”
Body:	Sheet Steel – 12 & 14 gauge
Hydraulic Pump:	Monarch M-3551 Double Acting – 1.5 GPM @ 2,000 PSI
Cylinders:	Bore 2.5” x 10” Stroke – Maximum working Pressure 2,500 PSI

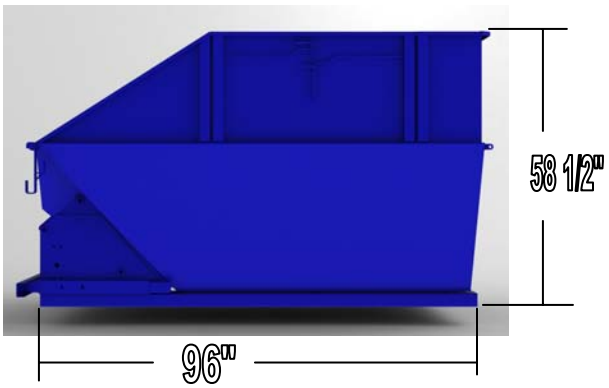
RD3106 60/40 Split:

Empty Weight: (Approx.) 1400 lbs.

Capacity:	5.5 cubic yards
RD3106-40	2.2 cubic yards or 800 lbs.
RD3106-60	3.3 cubic yards or 1200 lbs.
Frame:	Steel Tubing– 6” X 3”
Body:	Sheet Steel – 12 & 14 gauge
Hydraulic Pump:	Monarch M-3551 Double Acting – 1.5 GPM @ 2,000 PSI
Cylinders:	Bore 2.5” x 10” Stroke – Maximum working Pressure 2,500 PSI

Dimensions:





Easy Dump General Specifications and Features

RD3100 Divider:

Dimensions: Same as a standard 3100

Empty Weight: (Approx.) 1275 lbs.

Capacity: 3 cubic yards
RD3100-40 1 cubic yard or 800 lbs.
RD3100-60 2 cubic yards or 1200 lbs.

Frame: Steel Tubing– 6" X 3"
Body: Sheet Steel – 12 gage

Hydraulic Pump: Monarch M-3551 Double Acting – 1.5 GPM @ 2,000 PSI

Cylinders: Bore 2.5" x 10" Stroke – Maximum working Pressure 2,500 PSI

RD3106 Divider:

Dimensions: Same as a standard 3106

Empty Weight: (Approx.) 1325 lbs.

Capacity: 6 cubic yards
RD3106-40 2.4 cubic yard or 800 lbs.
RD3106-60 3.6 cubic yards or 1200 lbs.

Frame: Steel Tubing– 6" X 3"
Body: Sheet Steel – 12 & 14 gauge

Hydraulic Pump: Monarch M-3551 Double Acting – 1.5 GPM @ 2,000 PSI

Cylinders: Bore 2.5" x 10" Stroke – Maximum working Pressure 2,500 PSI

Easy Dump Safety Precautions

Hauling
When traveling with the Refuse Dumper over rough surfaces or turning, speeds should be reduced. Always secure remote.

CAUTION:
DO NOT EXCEED THE GROSS VEHICLE WEIGHT (G.V.W.) RATING OF YOUR TRUCK.

NEVER ATTEMP TO REACH OR GRAP OBJECTS UNDER THE HOPPER WHILE DUMPER BODY IS IN UPRIGHT POSITION.

OPERATING:
While dumping, keep arms and hands away from any possible pinch points. Be sure truck is on a hard level surface.

-Observe all safety precautions listed in this manual

-No Riders

-Stand Clear of all moving parts while in operation.

-Make no adjustments while hopper is in operation.

-Do not touch or allow unit to come in contact with overhead electrical wires.

-Never enter the hopper while unit is in operation.

-Be aware of all information, caution, warning, and danger signs on the unit.

-Be aware of hot hydraulic fluid in case of a hydraulic line break.

-Below 10 degrees F., change the hydraulic oil to SAE 5W30 motor oil.

-Unit must be “secured” while loading, unloading, or while in transit.

-Do not load in excess of tire manufacturer ratings on the hauling vehicle.

-The hauling vehicle must be of adequate capacity.

Easy Dump Operating Precautions

-The operation of this unit must comply with all federal and state laws.

-Observe all safety precautions listed in this manual.

-Stand clear of all moving parts while in operation.

-Make sure that unit body is returned to lower position for transit and storage.

-Check and make sure all hoses are secured and in good condition.

-Turn the vehicle engine off and set the parking brake before operating.

-Do not overload unit. Max payload is 2,000 lbs.

-Make sure that unit body is returned to lower position for transit and storage.

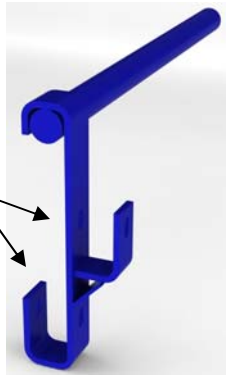
-Do not exceed 3 gpm of hydraulic flow if using other hydraulic system.

Easy Dump RD3100 / RD3106 Operating Procedures

1. Make sure unit is in good operating condition.
2. The refuse dumper must not be transported while the bin is in any position other than completely retracted. This is known as the “transit” position.
3. Make sure at point of use the hauling unit is turned off, parking brake set and unit is on a hard, flat & level surface. Make sure that all local, state and federal safety laws are followed.
4. Dispose of refuse in container as needed. Do not over load unit by either weight or volume.
5. When emptying the refuse dumper make sure the hauling vehicle is turned off, parking brake set and unit is on a hard, flat & level surface.
6. Stand away from unit in a safe area while bin is lifting. Keep all body parts away from unit while in motion. While bin is approaching the top most vertical limit be sure to slowly finish the dump so that the bin does not “slam” against the stop.
7. The RD3100 / RD3106 hydraulic system should never be made to “dead head” for any period of time.
8. If at any time any remaining articles are lodged in bin return bin to transit position and dislodge or remove articles needed. **Never enter bin while in motion or in any position other than the transit position.**
9. Repeat step “6” as needed.
10. When finished return bin to transit position and check around the hauling vehicle for debris that may have fallen in such a way that it would cause a safety issue to vehicle or persons around vehicle.

Using Transport Brackets

- The transport brackets are to be used only with Par-Kan Company’s RL100, RL150 & RL200. Other manufacturer’s units have not been tested or approved for use with the RD3100 / RD3106.
- The brackets are designed to transport “EMPTY” containers at 45 mph on a hard, flat & level surface
- The transport brackets must be used in conjunction with the refuse dumper bumper system which is attached to the dumper’s frame.
- The lower mounting area is to be used with the RL100 & RL150 units only.
- The upper mounting area is to be used with the RL200 unit only.
- Make sure that all local, state and federal safety laws are followed.



- The transport brackets have to be used in conjunction with containers that use trunnion washers or the container may become disconnected from the unit.

Easy Dump Maintenance and Storage

Proper maintenance is an essential part of a long life for your refuse dumper. As with any equipment the unit needs inspections, lubrications and adjustments to keep it in good condition while providing maximum performance & protection for the equipment.

WARNING:

Before removing or installing any components, be sure the truck is on hard, flat level surface, dumper body is in retracted position and power source is disconnected.

Daily Check List:

-Check the battery according to truck manufacturers recommended maintenance.

-Grease fittings every 6 months or as needed.

-Use #2105 Sun hydraulic oil or compatible oil. See Monarch manual for details.

-Check for oil leaks.

-Inspect for loose bolts.

-Inspect safety / mounting hardware for deformed or damaged components.

-Inspect for damaged components.

-Inspect and check that lights are working properly.

Seasonal Check List:

-Clean battery terminals and electrical connections.

-Inspect for damaged or cracked hydraulic hoses.

-Changing of hydraulic oil, multigrade AW hydraulic oil

-Wash and wax to maintain finish.

-Check all fasteners for tightness

Easy Dump Trouble Shooting

Problem	Cause	Test	Correction
Body will not lift	A. Check fuse under pump cover assembly	Visual Multi-Meter	Replace fuse (FUSE, ATC-15)
	B. Check power connections to pump	Visual Multi-Meter	Tighten or clean as necessary.
	C. Check fluid level in hydraulic tank	Visual	Add oil
	D. Check the hydraulic hoses for leaks or loose connections	Visual	Tighten or replace as necessary
	E. Ensure that the control box wires are secure	Visual Multi-Meter	Tighten or clean as necessary
If pump will not run.	A. Check fuse under pump cover assembly	Visual Multi-Meter	Replace fuse (FUSE, ATC-15)
	B. Ensure that all battery connections are secure	Visual Multi-Meter	Tighten or clean as necessary
	C. Check power connections to pump	Visual Multi-Meter	Tighten or clean as necessary
Hydraulic oil overheating	Dead heading pump	None	Do not continue running pump in the same direction after body stops moving.

Easy Dump RD3100 / RD3106 Installation Instructions

1. Position the rear mounting brackets on truck 39” from center to center of bracket, and 2” from the front truck box to the rear edge of the brace. Check underneath side of truck bed and make sure the mounting brackets are in a location that will allow enough room to attach the bolts and nuts without interfering with any truck bed reinforcements, vehicle electrical and mechanical systems (Fig. 1).

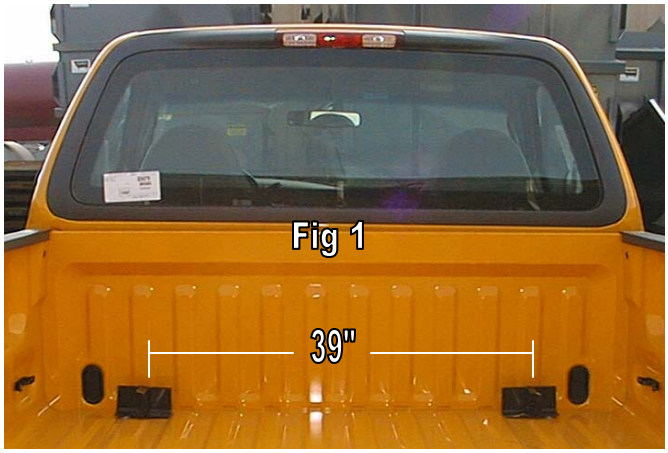


Fig 2

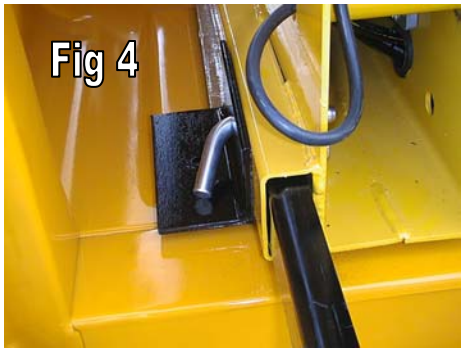
2. Mark the rear mounting bracket bolt hole locations on truck bed (Fig 2).

3. Remove rear mounting bracket and drill hole into truck bed using a 13/32” drill bit.

4. Position the rear mounting brackets and bolt to truck bed.

5. Slide the refuse dumper into truck bed so that mounting brackets are inserted into the frame tubes for correct position of the refuse dumper. The rear edge of the refuse dumper and the box of the truck should be flush with one another. Line up the front mount holes with the holes on the refuse dumper frame and mark the holes on the truck bed (Fig 3).

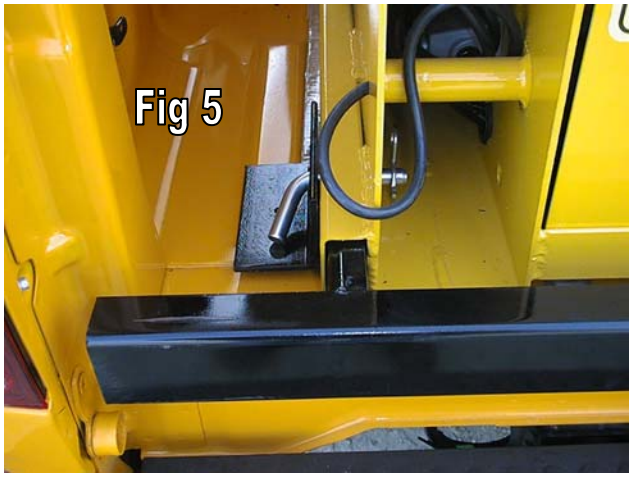
6. Take the front mounts and line up the front mount holes with the holes on the refuse dumper frame. Mark the front mount bolt hole locations on the truck bed.



7. Remove front mounts and drill holes into truck bed using a 13/32” drill bit. Be sure not to drill through any truck bed reinforcements, vehicle electrical and mechanical systems.

8. Bolt front mount brackets to truck bed. Insert bumper into frame tubing. (Fig 4)

9. Secure the dumper and bumper to the front mounts with the hitch pin assembly. (Fig 5)



Easy Dump RD3100 / RD3106 Installation Instructions

10. After the dumper is securely fastened to the truck bed, attach the cable connectors to the power ground cable ends.

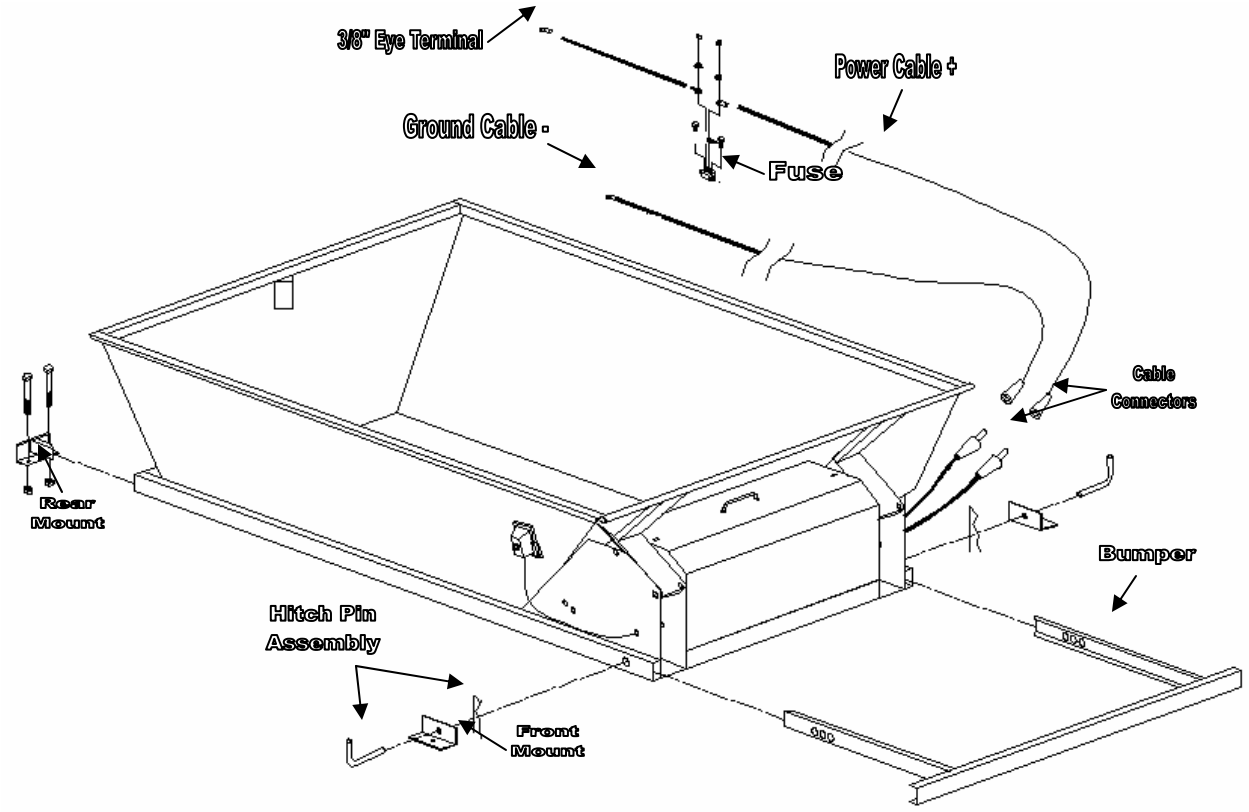
11. Feed the long power and ground cable underneath the truck bed and into the engine compartment near the truck battery.

12. Connect the long black ground cable to the negative post on the truck battery.

13. Connect the long red power cable to the positive post on the truck battery. When installing the fuse, install the fuse as close to the power supply (truck battery) as possible. The fuse holder should be mounted to a solid surface.

14. Connect the cable connector ends. Be sure to connect the long red power cable to the short power cable connected to the pump solenoid.

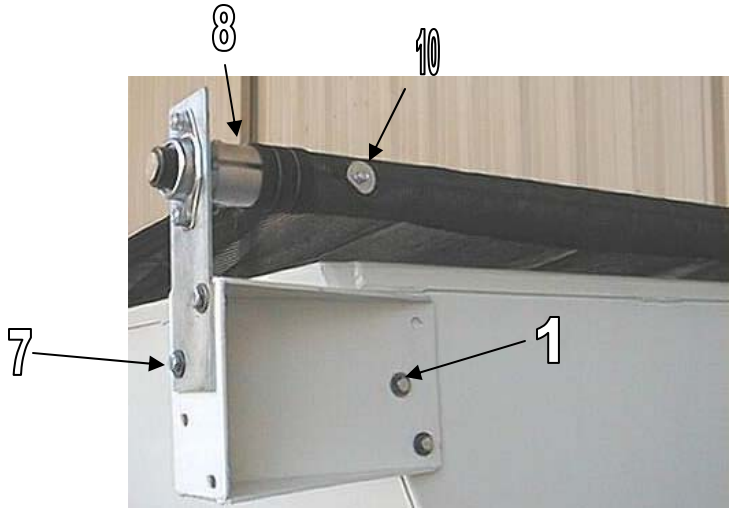
15. Your refuse dumper is now ready for operation.



Easy Dump Roll Tarp Installation Instructions

To Install the Hand Crank 361700 Roll Tarp follow these instruction:

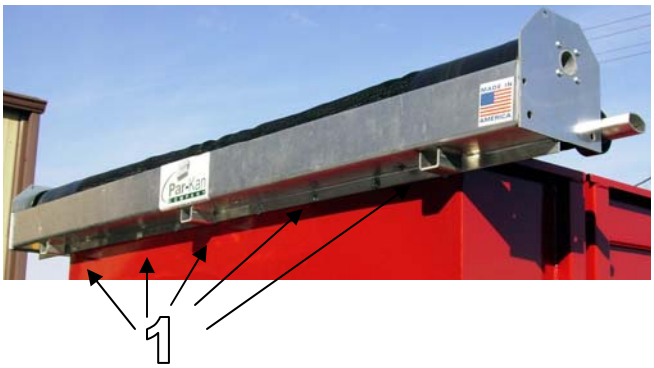
1. Using 1/2” X 1” bolts with a washer on each side, attach the right and left mounting brackets. For the RD3100 units, they require 2 bolts and the RD3106 require 3 bolts per bracket. When mounting the brackets on the unit, make sure the brackets are square to one another and secure to the container.
2. Mark the center of the middle roll tarp tube for later installation.
3. Install the roll tarp side with the handle first. Please use the 3/8” bolts provided.
4. Slide roll tarp on tube until it reaches the handle.
5. Slide on middle tube until it reaches the center mark created earlier.
6. Slide on the last pipe.
7. Once pipes are slid into place, attach the tarp to the passenger side mounting bracket.
8. Center Tarp on pipe, usually 1” from each edge of pipe.
9. Run Self taping screws into the tarp on the handle side, securing that end of the tarp.
10. Pull tarp to other side of the pipe and run self taping screws into the tarp and pipe, securing the tarp on both ends.
11. Secure the center of the tarp by running self taping screws 1 ft. Right and Left from the center line of the tarp.
12. The roll tarp is now mounted to the Easy Lift unit.

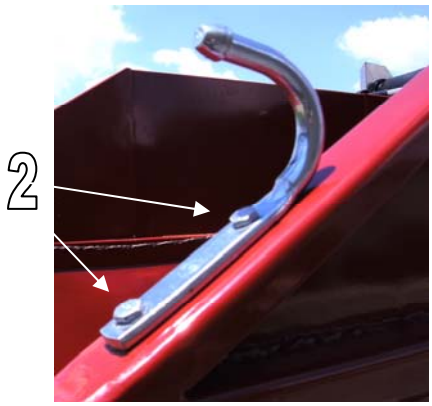


Easy Dump Roll Tarp Installation Instructions

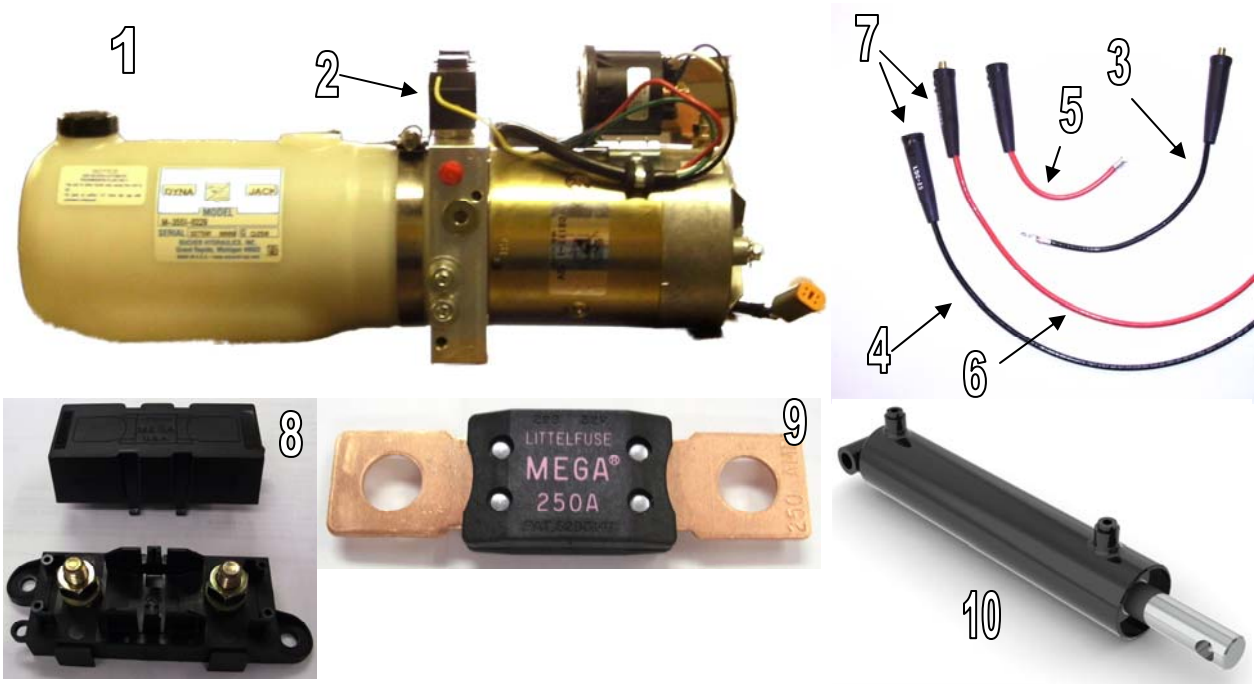
To Install the Self Retracting 361703 Roll Tarp follow these instruction:

1. Using the 3/8” bolt provided, bolt the roll tarp to the back panel of the dump hopper.
2. Mount the 2 catch hooks to the rear side rails of the hopper. 1/4” bolts with nylon lock nuts are supplied to attach these hooks. The hooks will be used to hold the roll tarp in place while it is covering the container.
3. Attach the pull rope to the roll tarp material.
4. Install the roll tarp guide wheels. Once the wheels are in place, up a 3/16 allen wrench to tighten the set screws in place.
5. The roll tarp is now mounted to the Easy Lift unit.





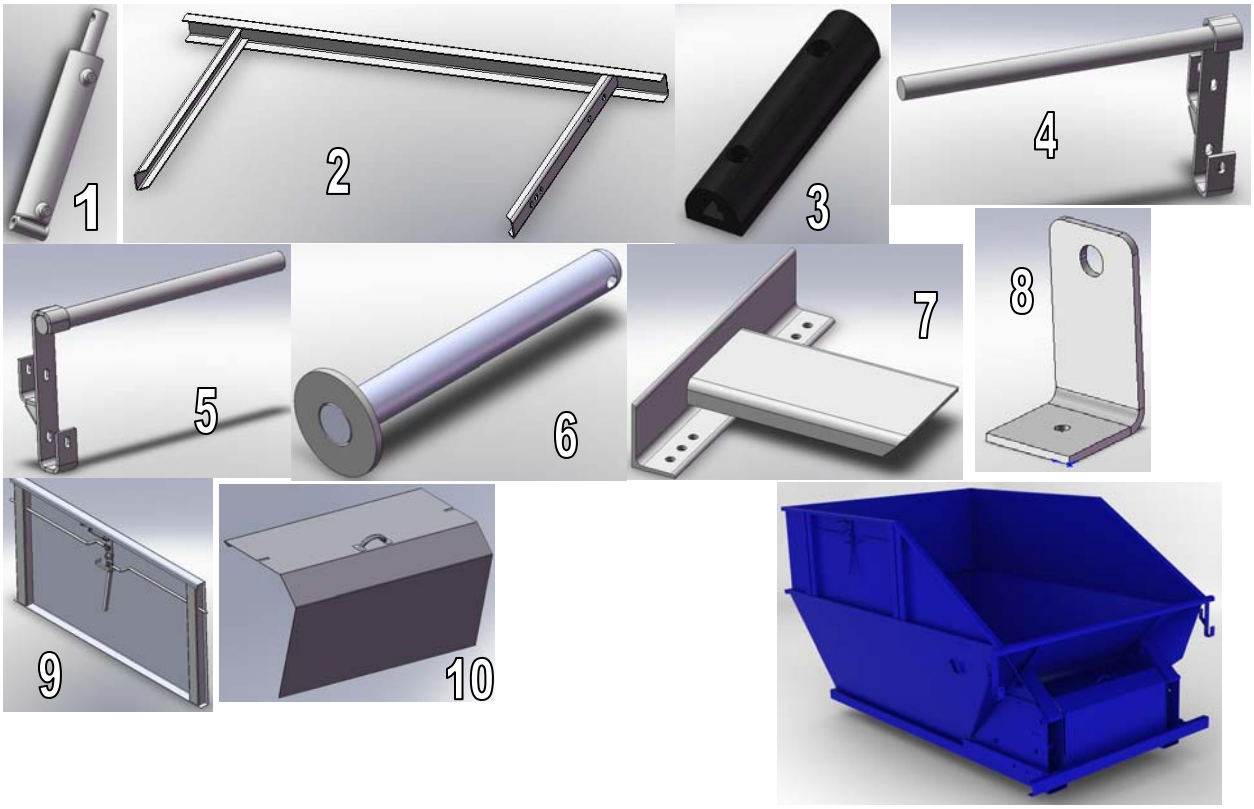
Easy Dump Power Plant



Key #	Part Number	Description
1*	430000	Hydraulic Pump System, DBBL. Acting
2	640011	Hydraulic Pump Coil
3	610012	Cable, #1 Welding Cable Black 3 ft.
4	610012	Cable, #1 Welding Cable Black 21 ft.
5	610013	Cable, #1 Welding Cable Red 3 1/2” ft.
6	610013	Cable, #1 Welding Cable Red 21 ft.
7	610101	Power Cable Connector
8	670000	Fuse Holder, 250 Amp, DC
9	670001	Fuse Link, 250 Amp, DC
10	430050	Hyd. Cylinder

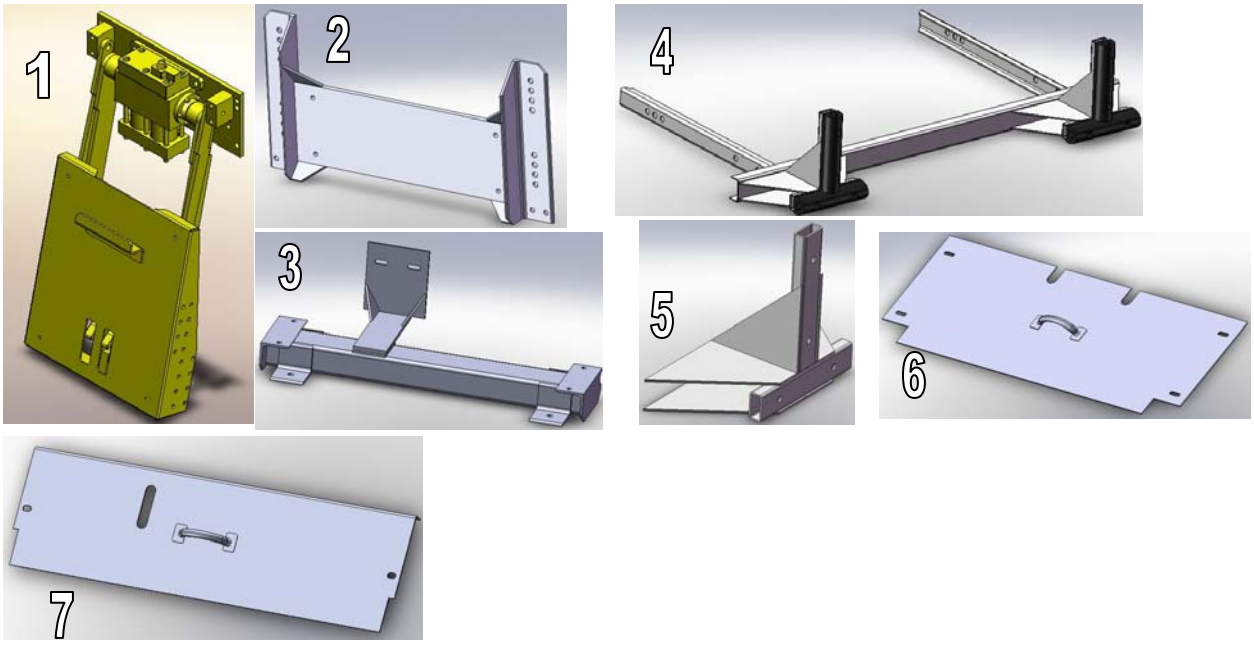
* Items not shown in full assembled state.

Easy Dump Replacement Parts



Key #	Part Number	Description
1	430050	Hydraulic Cylinder 2 1/2” X 10”
2	RD31611	Standard Bumper Weldment
3	201105	Bumper, Rubber (Electric Vehicles)
4	RD31696L	Lifting Bracket Weldment Left
5	RD31696R	Lifting Bracket Weldment Right
6	RD3100-40W	Pivot Pin
7	RD31635-FP	Fork Pocket Front Mount
8	RD3158-FP	Fork Pocket Rear Mount
9	31630-6-SA	3106 Side Door
10	RD31632	Pump Cover
***	361700	Roll Tarp

Easy Dump Bayne Lift Replacement Parts

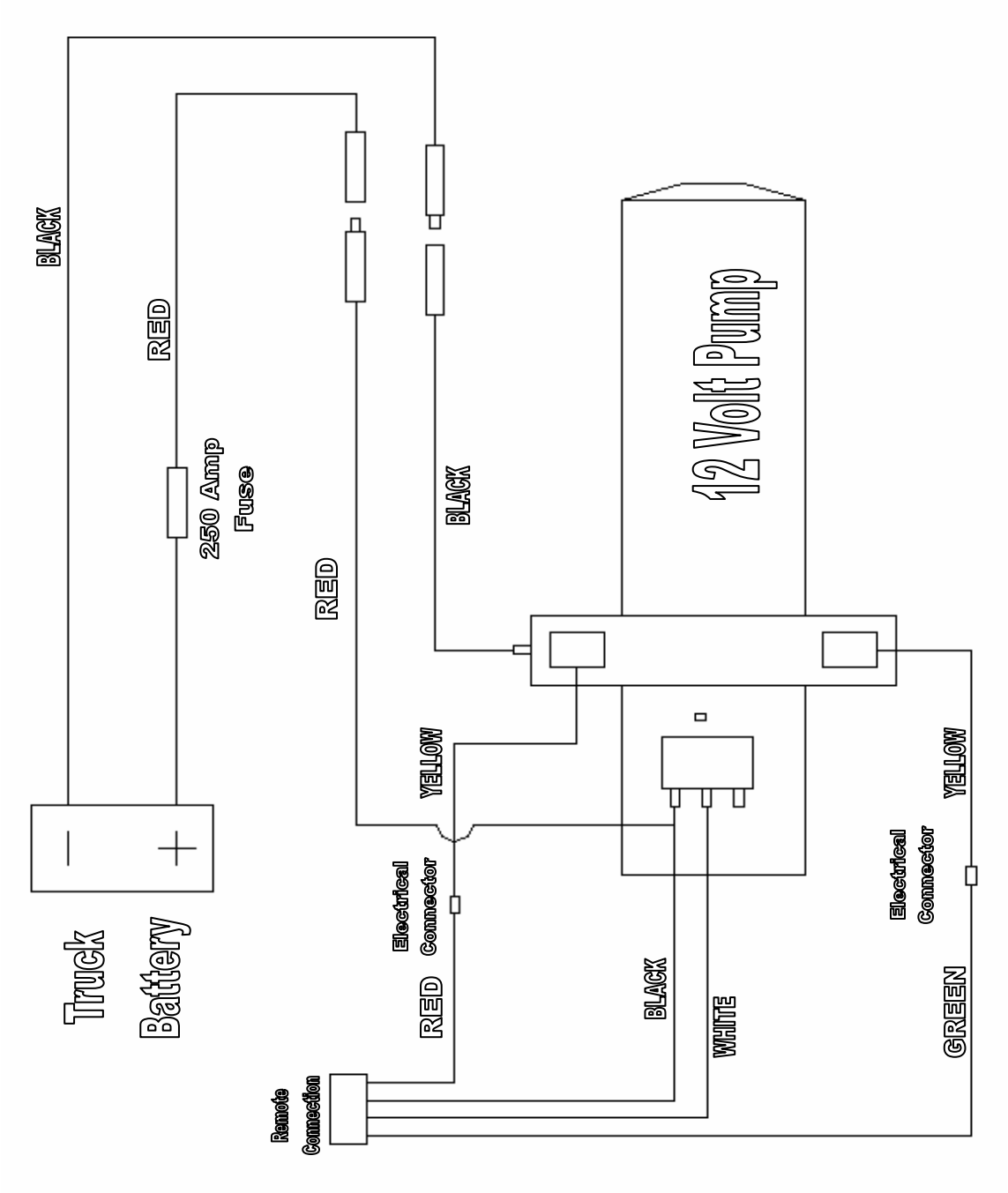


Key #	Part Number	Description
1	440900	Bayne Lifter Assembly 28” For Plastic Carts
	440904	Bayne Lifter Assembly For Barrels
2	RDBLK001W	Bayne Mounting Weldment
3	RDBLK002W	Bayne Mounting Weldment
4	RDBLK006A	Bayne Bumper Assembly
5	RDBLK006W	Bayne Bumper Weld on
6	RDBLK004W	Bayne Rear Lid Weldment
7	RDBLK005W	Bayne Top Lid Weldment
***	430502	Hyd. RD3100RL Bayne Lift Kit w/div valve
***	RDBLK019	Black Rubber Cover

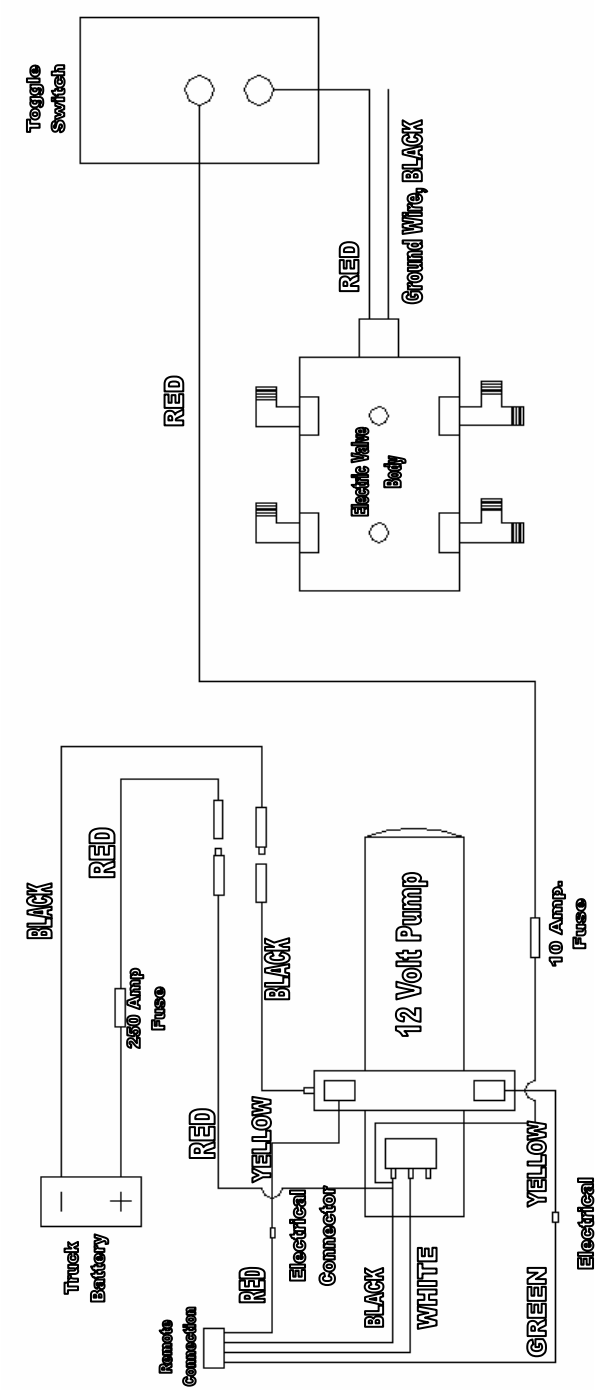
Easy Dump Decals

Key #	Part Number	Description
1	250016	DECAL, WARNING-KEEP HANDS FEET ETC
2	250017	DECAL, “CAUTION” STAND CLEAR
3	250020	DECAL, “GREASE HERE”
4	250057	DECAL, “OVERHEAD WIRES”
5	250064	DECAL, “MAXIMUM CAPACITY 2000
6	250069	DECAL, PAR-KAN LOGO
7	250105	DECAL, READ USERS MANUAL
8	250112	DECAL, PINCH POINT
9	250250	DECAL, MADE IN THE USA

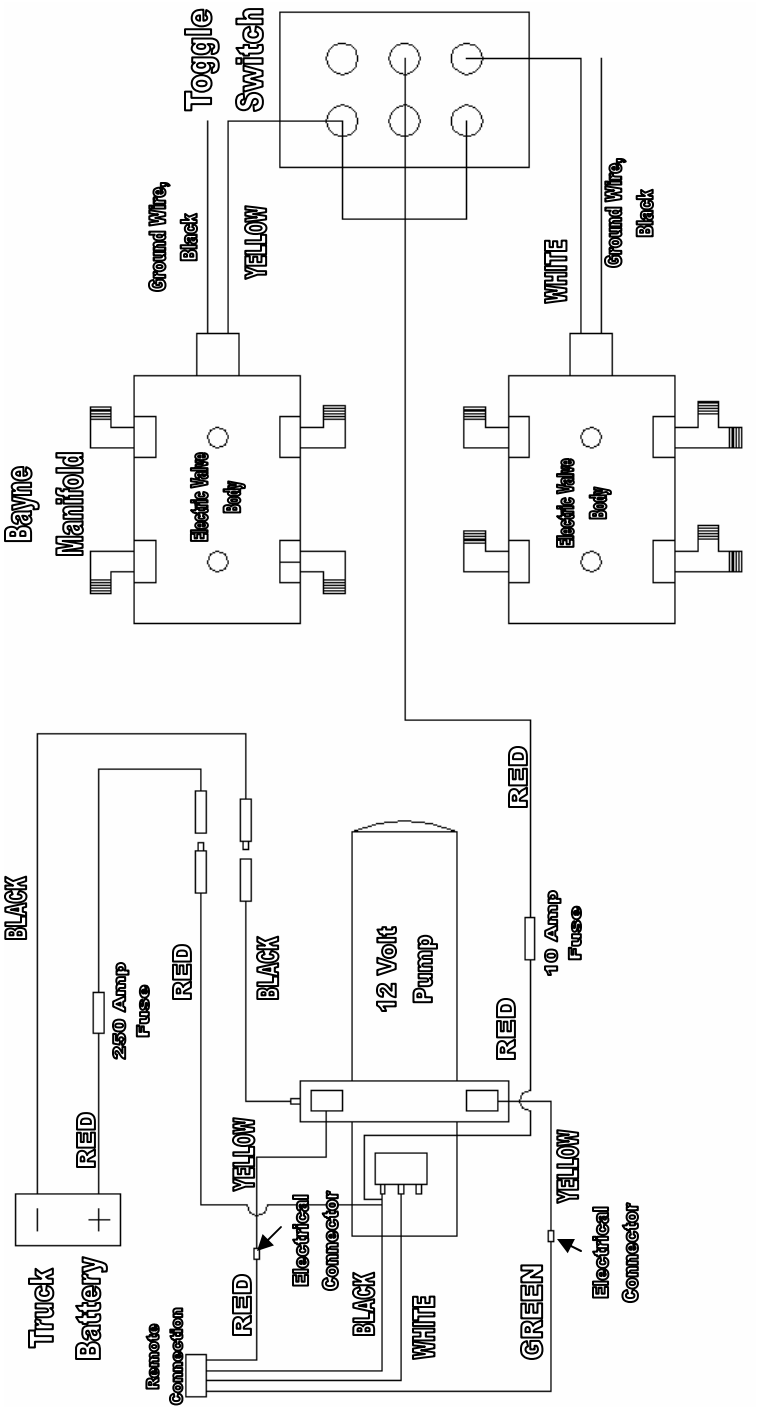
Easy Dump Electrical Schematic RD3100 / RD3106



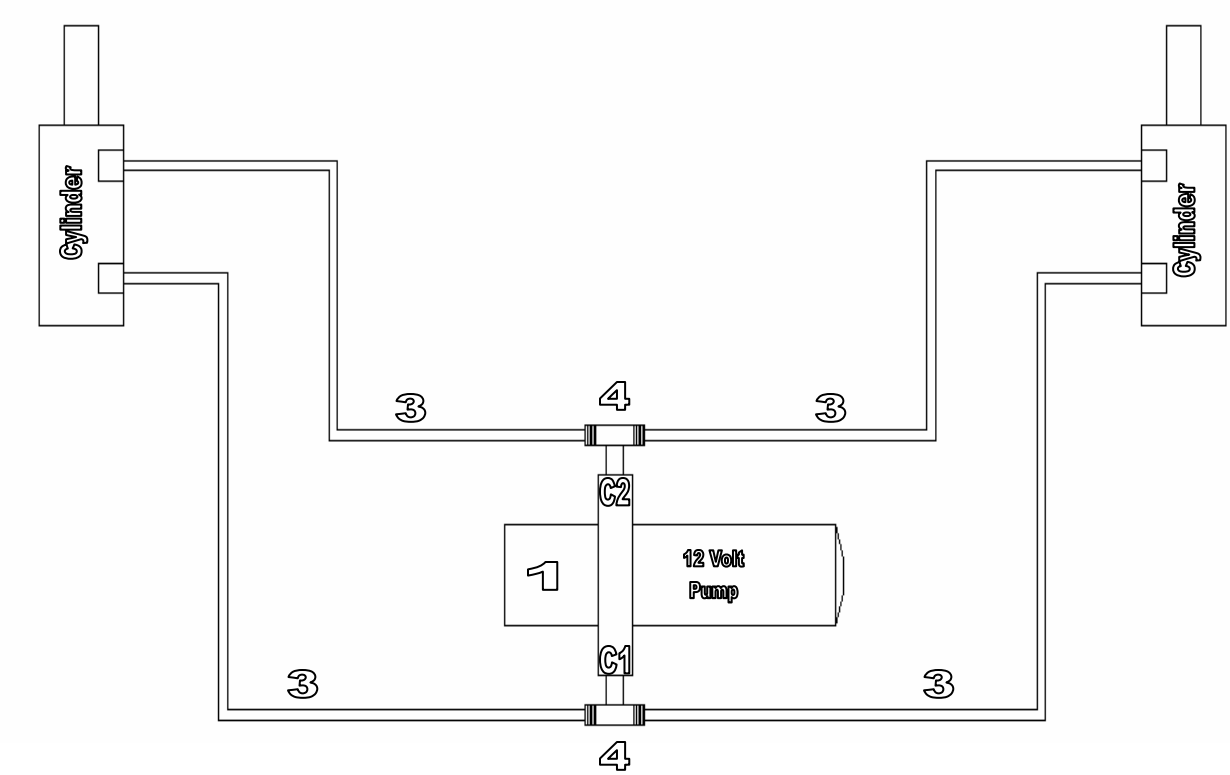
Easy Dump With Bayne Electrical Schematic RD3100 / RD3106



Easy Dump 70/30 With Bayne Lift Electrical Schematic RD3100 / RD3106



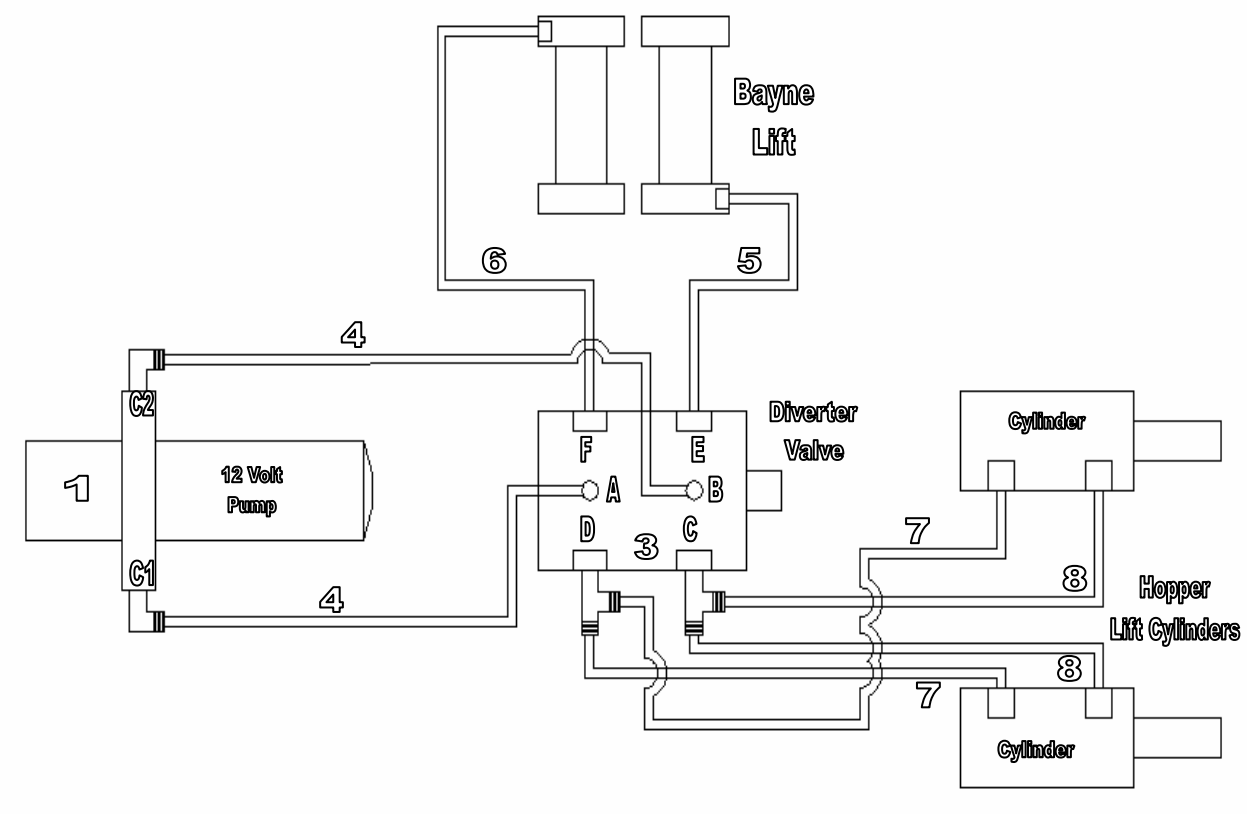
Easy Dump Standard Hydraulic System RD3100 / RD3106



Key #	Part Number	Description
1*	430000	Hydraulic Pump System, DBBL. Acting
2	430021	Hydraulic hose Kit for RD3100
3	410057	40” hydraulic hose
4	420000	T Fitting

Par-Kan COMPANY

Easy Dump With Bayne Lift Hydraulic System RD3100 / RD3106



Key #	Part Number	Description
1*	430000	Hydraulic Pump System, DBBL. Acting
2	430502	Hydraulic Hose Kit for RD3100 Bayne Lift
3	440022	Solenoid Operated Diverter Valve
4	410105	36” Hydraulic Hose
5	410106	40” Hydraulic Hose
6	410107	48” Hydraulic Hose
7	410108	40” Hydraulic Hose
8	410109	70” Hydraulic Hose

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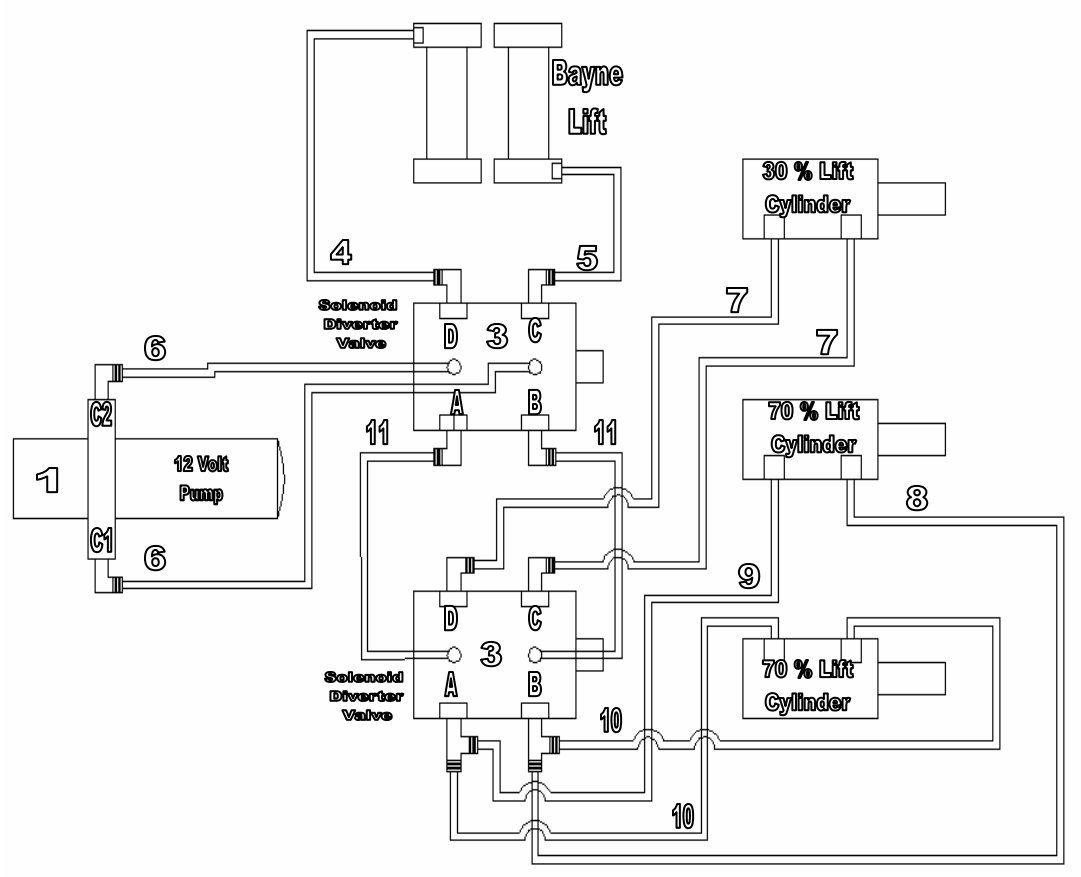
Easy Dump 70/30 Lift With Bayne Hydraulic System RD3100 / RD3106



Key #	Part Number	Description
1*	430000	Hydraulic Pump System, DBBL. Acting
2	430035	Hydraulic Hose Kit for 70/30 Lift with Bayne Hyd. System
3	440022	Solenoid Operated Diverter Valve
4	410139	28” Hydraulic Hose
5	410039	26” Hydraulic Hose
6	410033	36” Hydraulic Hose
7	410035	63” Hydraulic Hose
8	410036	64” Hydraulic Hose
9	410037	52” Hydraulic Hose
10	410034	40” Hydraulic Hose
11	410038	26” Hydraulic Hose

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Easy Dump Options

Bayne Lift System (Plastic Carts)		**Bayne Lift System (Barrel)**	
Model:	**TL1128**	**Model:**	**DTL1128**
Dimensions:	Length : Width: Height:	**Dimensions:**	Length : Width: Height:
Weight: (Approx.)	lbs.	**Weight:** (Approx.)	lbs.
Lift Capacity:	300 lbs. @ 1800 psi	**Lift Capacity:**	300 lbs. @ 1800 psi
Dumpover Height	63.75”	**Dumpover Height**	63.75”

Tarp System

FOR EASY DUMP MODELS: RD3100, RD3100 Divider
RD3106, RD 3106 Divider

Hand Crank System: 361700
Spring Retract System: 361703

Lid System

FOR EASY DUMP MODELS: RD3100, RD3100 Divider, RD3100 60/40 Split
RD3106, RD 3106 Divider, RD 3106 60/40 Split

Plastic Lids
Galvanized Lids

Container Transport System

Left Bracket: RD31696L
Right Bracket: RD31696R

Easy Dump Contact Information

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Silver Lake, IN 46982

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Fax: 260-352-0701

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